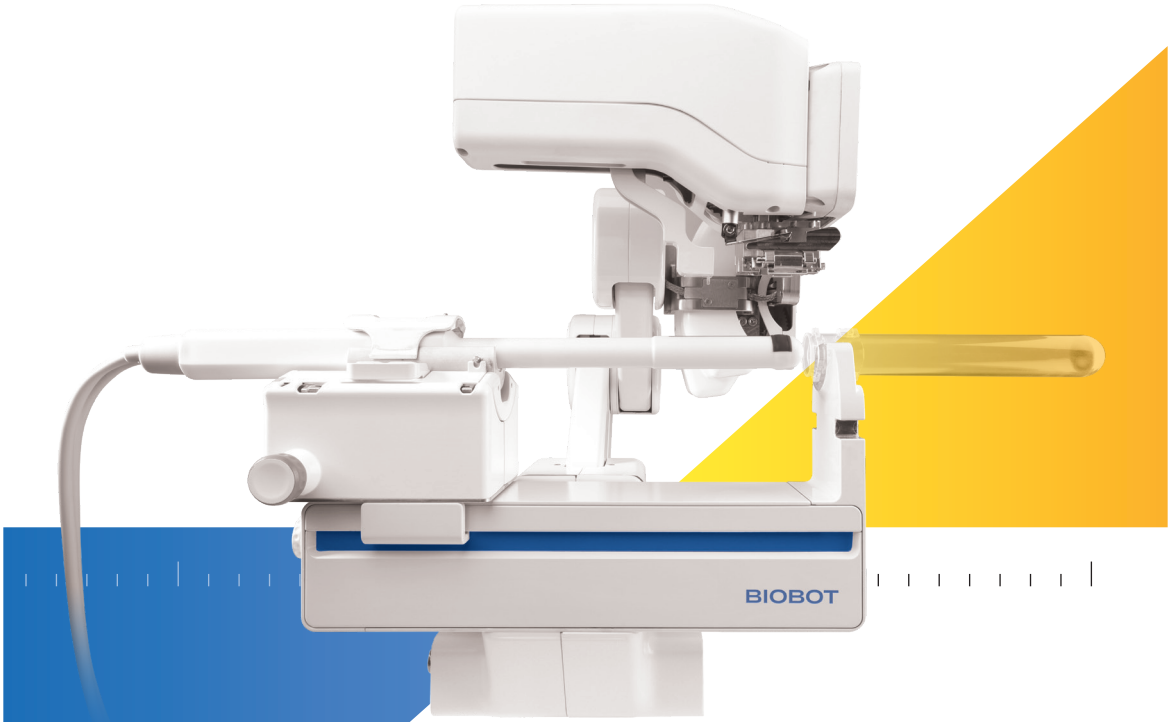
iSR'OBOT MONA LISA 2.0

Robotic Precision for Prostate Disease Management



BIOBOT

The Precision Urologists Require and Patients Deserve

Discover the future of prostate biopsies and focal therapies with our cutting-edge robotic system for transperineal prostate procedures, designed with both patients and physicians in mind

1. **Robotic precision**
   Ensures high-accuracy needle positioning for transperineal prostate procedures

2. **Advanced imaging**
   Features MRI-ultrasound fusion capability

3. **Efficiency and consistency**
   Allows physicians to perform transperineal prostate procedures in a repeatable and reproducible manner

iSR'OBOT MONA LISA 2.0

First- and Best-in-Class Robotic Prostate Biopsy and Treatment Solutions

Redefining the standard of care in urology through technological innovation

A New Era in Prostate Care

Transrectal biopsy challenges

High infection risk

+ Up to 7% infection and 3% sepsis rates[1]
+ 6.9% 30-day readmission rate[2]

Underdiagnosis

Traditional ultrasound biopsies only detect 23% of clinically significant cancers[3]

Limited prostate access

Transrectal biopsies cannot adequately sample the anterior or apex regions of the prostate

The New Standard of Care: Transperineal Biopsies

The standard of care is shifting to transperineal biopsies, utilizing MRI-ultrasound fusion guidance to provide:

01 **Better visualization**
02 **Maximal prostate coverage**
03 **Virtually zero infection risk**[4]

But embracing this new standard without an intelligent device requires a steep learning curve that hinders adoption.[5]

The Robotic Advantage

Robotic-controlled needle positioning offers urologists the precision needed for transperineal procedures, ensuring:

01

Higher accuracy in cancer detection[6]

02

Repeatable and reproducible procedures

03

A leveling of the learning curve for transperineal needle positioning

Key Features

01

Robotic accuracy for needle positioning and depth control

Provides precise direction and depth control for fast and accurate needle placement during biopsy and treatment, including challenging areas like the apex, anterior and peripheral zones.

02

Flexible needle angulation with deflection adjustment

Addresses needle deflection due to prostate tissue heterogeneity and needle tip design, ensuring accurate needle placement. Permits needle positioning at multiple angles for more custom treatment plans.

03

Prostate stability

Specially designed probe sheath allows the ultrasound probe to move unobstructed, minimizing prostate deformation and providing stabilization essential for accuracy.

04

Dual-cone technology

Mona Lisa's innovative dual-cone approach minimizes pubic arch interference during prostate biopsy, creating a virtual pivot point for multiple needle entries and ensuring maximal prostate coverage.

05

Elastic MRI-ultrasound fusion

Instantly merges MRI and live ultrasound models — along with prior biopsy core positions in the case of ablation — to provide physicians with 3D visualizations for precise targeting of the region of interest.

06

Flexible planning with advanced visualizations

Visual overlays of lesion margin and simulated ablation zones — combined with the modeling of critical structures — enable offline planning of lesion margins and needle positions. This helps to avoid ablation of critical structures reducing related side effects.

+

→ **All-in-one for biopsy and treatment**
Integrates both biopsy and treatment functionalities into a single system

Transperineal Prostate Biopsy Planning and Execution

01 Scan and model

+ Radiologist imports MRI scan using software (UroFusion) to model prostate and mark ROI
+ Ultrasound images are automatically captured via the motorized robotic arm
+ Urologist models prostate on ultrasound images for 3D reconstruction

02 Fuse and plan

+ Software (UroBiopsy) instantly merges MRI and ultrasound 3D models for an elastic MRI-ultrasound fusion
+ Target, Systematic and Saturation Plans auto-generate core locations based on ROI and prostate 3D model

Transperineal Prostate Ablation Planning and Execution

01 Scan and model

+ Urologist prepares treatment planning offline using software (UroReview) based on pathology results
+ Motorized ultrasound probe on the robotic arm captures 2D images
+ Physician marks prostate boundaries for 3D reconstruction

02 Fuse and plan

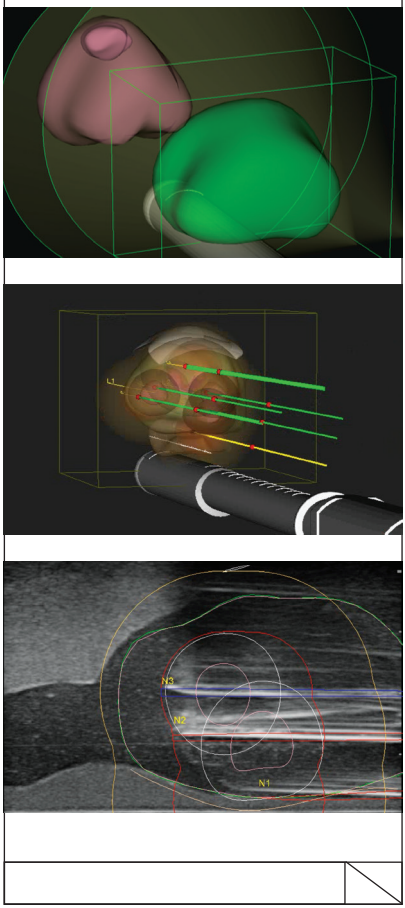
+ Software (UroTherapy) instantly merges MRI 3D model, ultrasound 3D model and biopsy 3D model for treatment planning
+ Visualization of insertion tools for treatment planning including visual overlays of lesion margin, critical structures and simulated ablation zones
+ Ability to import and adjust treatment plans generated offline

Fully Integrated System

+ iSR'obot Mona Lisa 2.0
+ UroFusion Software
+ UroBiopsy Software
+ UroReview Software
+ UroConnect Software
+ UroTherapy Software
+ Bed Rail Stabilizer / Floor Stand Stabilizer
+ iSR'obot Biopsy Kit / iSR'obot Kit

03 Biopsy and report

+ Robotic arm provides guidance for needle positioning based on physician-approved biopsy plans
+ Physician inserts the needle through the robotic guide
+ Automatic generation of comprehensive reports with clinical data and 3D images



03 Treat and report

+ Robotic arm provides guidance for needle positioning, automatically managing needle direction and depth based on approved treatment plans
+ Physician inserts the needles through the robotic guide
+ Conduct ablation procedure
+ Automatic generation of comprehensive reports with clinical data and 3D images

Certifications

+ EN ISO 13485:2016
+ FDA (US)
+ TGA (Australia)
+ HSA (Singapore)

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